

Collected Works Related to the Development of the Modern Cochlear Implant

by

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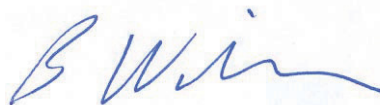
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I also certify that the thesis has been written by me. Any help that I have received in my research work and the preparation of the thesis itself has been acknowledged. In addition, I certify that all information sources and literature used are indicated in the thesis.

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A handwritten signature in blue ink, appearing to read 'B. Win', is written over a light blue rectangular background. Below the signature is a solid black horizontal line.

Abstract

This thesis for a higher doctorate in engineering at the University of Technology, Sydney (UTS) presents collected works related to the development of the modern cochlear implant, a prosthesis that restores useful hearing for deaf or severely hearing impaired persons. The emphasis is on the engineering aspects of the development, and the principal work for this thesis is the book *Better Hearing with Cochlear Implants: Studies at the Research Triangle Institute*, which is a major engineering treatise. In addition, ten further publications are included that also describe engineering aspects of the development. This bounded thesis includes the ten further publications, an acknowledgments section, a published review of the book, a one-page biographical sketch for the author, and the author's full CV. The book is available separately at the UTS Library or from the publisher, Plural Publishing, Inc., of San Diego, CA, USA.

Contents

Acknowledgments	6
Publications	7
1. Wilson BS, Finley CC, Lawson DT, Wolford RD: Speech processors for cochlear prostheses. Proc IEEE 76: 1143-1154, 1988	7
2. Wilson BS, Finley CC, Lawson DT, Wolford RD, Zerbi M: Design and evaluation of a continuous interleaved sampling (CIS) processing strategy for multichannel cochlear implants. J Rehab Res Devel 30: 110-116, 1993	19
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4. Wilson BS: Engineering design of cochlear implants. In <i>Cochlear Implants: Auditory Prostheses and Electric Hearing</i> , edited by F-G Zeng, AN Popper and RR Fay, Springer-Verlag, New York, pp. 14-52, 2004	47
5. Wilson BS, Schatzer R, Lopez-Poveda EA, Sun X, Lawson DT, Wolford RD: Two new directions in speech processor design for cochlear implants. Ear Hear 26: 73S-81S, 2005	86
6. Wilson BS, Dorman MF: The surprising performance of present-day cochlear implants. IEEE Trans Biomed Eng 54: 969-972, 2007	95
7. An SK, Park SI, Jun SB, Byun KM, Lee CJ, Wilson BS, Rebscher SJ, Kim SJ: Design for a simplified cochlear implant system. IEEE Trans Biomed Eng 54: 973-982, 2007	99

8. Wilson BS, Dorman MF: Interfacing sensors with the nervous system: Lessons from the development and success of cochlear implants. IEEE Sensors J 8: 131-147, 2008	109
9. Wilson BS, Dorman MF: Signal processing strategies for cochlear implants. In <i>Cochlear Implants and Other Implantable Hearing Devices</i> , edited by MJ Ruckenstein. Plural Publishing, San Diego, CA, pp. 51-84, 2012	126
10. Wilson BS: Toward better representations of sound with cochlear implants. Nature Med 19: 1245-1248, 2013	160
Review by Professor Mario Svirsky of <i>Better Hearing with Cochlear Implants</i>	164
One-page biographical sketch for Professor Blake S. Wilson	165
CV for Professor Blake S. Wilson	166

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I am so very proud and happy to be associated with this magnificent university and its spectacular people and programs. Sometimes I cannot believe my great good fortune, made possible by my family and many friends and colleagues worldwide.